

JP 49-102,647

[Claims only, as requested]

---

Translated from Japanese by the Ralph McElroy Co., Custom Division  
P.O. Box 4828, Austin, Texas 78765 USA

Code: 282-54105

JAPANESE PATENT OFFICE  
PATENT JOURNAL  
KOKAI PATENT APPLICATION NO. SHO 49[1974]-102647

Japanese Cl.: 16 C86  
16 E311  
16 E41  
30 B0  
30 B4  
30 B5  
13(9)G1  
13(9)G411

Sequence Nos. for Office Use: 6742 43  
7192 44  
6224 44  
7043 44  
7043 44  
7043 44  
6518 4A  
6518 4A

Application No.: Sho 48[1973]-17417

Application Date: February 14, 1973

Publication Date: September 27, 1974

No. of Inventions: (Total of 10 pages)

Examination Request: Not requested

METHOD FOR THE MANUFACTURE OF PROSTAGLANDIN COMPOUNDS

**Inventors:**

Masaki Hayashi  
32-408 Nanpeidai  
Takatsuki, Osaka

Hajimu Mitake  
379 Oaza Higashi  
Suita, Osaka

Yoshinobu Arai  
6-13-28 Honmachi  
Toyonaka, Osaka

Fusako Tanouchi  
37-4 Towacho  
Takatsuki, Osaka

**Applicant:**

Ono Yakuhin Kogyo K.K.  
2-14 Toshomachi  
Higashiku, Osaka  
Osaka

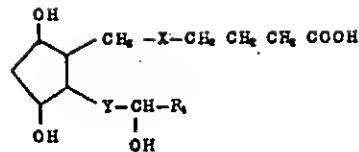
**Agents:**

Akira Akata, patent  
attorney

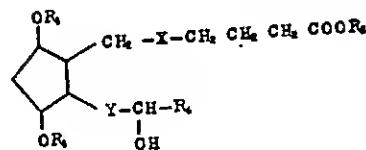
[Amendments have been incorporated into the text of the  
translation]

**Claim**

Method for the manufacture of prostaglandin compounds  
represented by the general formula,



from alicyclic esters of the general formula,



by hydrolysis under acidic and also basic conditions in any order, wherein, in the general formulas,  $\text{R}_1$  represents 2-tetrahydropyranyl, 2-tetrahydrofuryl, or a 1-ethoxyethyl group;  $\text{R}_2$  represents an acyl group;  $\text{R}_3$  represents a lower alkyl group;  $\text{R}_4$  represents a n-pentyl, n-hexyl, or n-heptyl group; X and Y represent  $-\text{CH}_2\text{CH}_2-$  or  $-\text{CH}=\text{CH}-$ .